

### REMARKS

Claims 13-24 are pending, with claims 1-12 having been canceled in the preliminary amendment.

The Examiner has rejected claims 13-17 and 19-24 as being anticipated by U.S. Patent No. 6,150,668 to Bao et al. ("Bao"). Claims 13-24 have also been rejected as being anticipated by U.S. Patent No. 6,720,572 to Jackson et al. ("Jackson").

Additionally, the Examiner has rejected claims 13-16 and 19-24 under 35 U.S.C. §102(e) as being anticipated by U.S. Patent Publication 2004/0012018 to Tanabe. The Tanabe reference has a filing date of July 16, 2003. Since Applicant has already established a priority date of October 14, 2002 by submitting a certified English translation of the foreign priority document DE 102 47 817.1 on June 4, 2004, Tanabe is not prior art with respect to the claimed invention.

Each of independent claims 13 and 24 has been amended to recite "a drive circuit providing the first source/drain region with *a voltage of sufficiently large magnitude* and the gate region with a *drain voltage of a sufficiently small magnitude*, such that the polymer transistor has properties similar or identical to those of a Schottky diode." (Emphasis added.) Support for this amendment may be found, for example, in paragraph 20 of the published specification.

None of the applied references discloses a drive circuit providing the first source/drain region with a voltage of sufficiently large magnitude and the gate region with a drain voltage of a sufficiently small magnitude, such that the polymer transistor has properties similar or identical to those of a Schottky diode. Claims 13 and 24 are, therefore, believed to be patentable over each of Bao, Jackson, and Tanabe, and because

claims 14-23 depend on claim 13, they are believed to be patentable as well. Thus reconsideration and allowance of claims 13-24 are solicited.

Finally, the Examiner has objected to the Specification for containing an informality, that is, in page 10, line 3, "105" should be replaced with "106". Applicant has amended the specification accordingly.

In view of the above, Applicant believes the pending application is in condition for allowance.

Dated: April 9, 2006

Respectfully submitted,

By *Laura C. Brutman*

Laura C. Brutman

Registration No.: 38,395

DICKSTEIN SHAPIRO MORIN &  
OSHINSKY LLP

1177 Avenue of the Americas  
41st Floor

New York, New York 10036-2714  
(212) 835-1400

Attorney for Applicant